



7217/61049

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hiroshi Utsunomiya et al.

Serial No.: 09/534,178

Filed : March 24, 2000

For : AUDIO AND/OR VIDEO SIGNAL TRANSMISSION SYSTEM,
TRANSMITTING APPARATUS AND RECEIVING APPARATUS
THEREOF

Group A.U.: 2712

I hereby certify that this paper is being deposited
this date with the U.S. Postal Service in first
class mail addressed to: Assistant Commissioner for
Patents, Washington, D.C. 20231.

Jay H. Maioli

Jay H. Maioli
Reg. No. 27,213

September 11, 2000
Date

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

As a means of complying with the duty of disclosure
set forth in 37 C.F.R. § 1.56 and in keeping with the
guidelines of 37 C.F.R. § 1.98, Applicants hereby submit
information thought to be relevant to the above-identified
application. Also submitted herewith is a completed form PTO-

1449.

This information came to light during examination of a counterpart European Patent Application in the European Patent Office in an Office Action dated July 24, 2000, and it is hereby certified that this information is being submitted within three months of that date.

U.S. Patent No. 5,847,771 (Cloutier et al.) apparently relates to a digital entertainment terminal in which two data streams are simultaneously decoded to provide Picture-in-Picture (PIP) or Picture-on-Picture capabilities in the digital entertainment terminal. A primary MPEG-2 encoded data stream is decoded using a digital video processor optimized for MPEG-2 or a dedicated MPEG-2 decoder system. A secondary MPEG-encoded data stream is partially processed by filtering the B frames of the secondary MPEG-encoded data stream and using the I and P frames in a partial decoding segment to obtain decompression video data providing a limited resolution representation of a second program.

U.S. Patent No. 5,182,642 (Gersdorff et al.) apparently relates to an apparatus and method for compression and transmission of multiform data in which video data is compressed by a transform scaling compressor. Carrier signals

are modulated with audio and digital data by a delta modulation data modulator and a delta-sigma modulation modulator. The outputs of these modulators are combined by a multichannel data compressor and transmitted to a second site where the process is reversed to recover the original data

PCT Application WO 92/12599 (Yurt et al.) apparently relates to an audio and video transmitting and receiving system in which the user controls the access and playback operations of selected material. Compressed and encoded audio and/or video information is sent over standard telephone, cable or satellite broadcast channels to a receiver specified by a subscriber, preferably in less than real time. The data is stored and available for later playback and optional recording on standard audio or video tape.

PCT Application WO 95/01058 (Florin et al.) apparently relates to a system for selectively viewing and interacting with programs and services from a number of program/service sources, a control device for controlling the system and methods and apparatus for managing selection, viewing, and interaction with the program/service offerings. An interactive audio-visual transceiver is coupled to a user's television, video tape recorder and a T/T cable which provides

cable television or telephone service and includes a digital channel of program/service listings, at least one digital back channel, numerous analog TV channels, digital pay per view channels and other interactive services. A provider sends an interleaved data stream including TV program listings, program titles, program times, categories and channel numbers which can all be displayed and scrolled through by a viewer while watching television.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if a fee is required for this submission, the Commissioner is authorized to charge the requisite fee to Deposit Account No. 03-3125.

Respectfully submitted,

COOPER & DUNHAM LLP



Jay H. Maioli
Reg. No. 27,213

JHM/KJB
encl.



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Group No.: 2712

Date: September 11, 2000

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is an Information Disclosure Statement in the above-identified application.

☒ No fee is required.

☐ The fee has been calculated as shown below.

☐ Total claims in excess of ___ previously paid for, at \$18 (\$9) ___

☐ Independent claims in excess of ___ previously paid for, at \$78 (\$39) ___

☐ Additional Fee for this Amendment ___

☐ This Response is being filed within the ___ first month, ___ second month, ___ third month, ___ fourth month, ___ fifth month following the expiration of the term originally set therefor. Applicants Petition for an extension, and the fee of ___ \$110 (\$55), ___ \$380 (\$190), ___ \$870 (\$435), ___ \$1,360 (\$680), ___ \$1,850 (\$925) is due and paid herewith.

☐ The fee of \$___ set by 37 C.F.R. § 1.17(p) for the Information Disclosure Statement is due and paid herewith.

☐ A check in the amount of \$___ is attached.

☒ Please charge any additional fees or credit any overpayment to Deposit Account No. 03-3125.

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